

- 8 -

CLAIMS

1. A regenerative fluid pump comprising a rotor having rotor blades, and a stator comprising a plurality of concentric channels which comprise pumping channel portions along which said rotor blades move for compressing fluid between respective inlets and respective outlets of the pumping channel portions and stripper channel portions for allowing said rotor blades to pass from said outlets to said inlets of the pumping channel portions, wherein at least one of said concentric channels comprises at least two pumping channel portions and at least two stripper channel portions.
2. A regenerative fluid pump as claimed in claim 1, wherein each of said concentric channels comprises at least two pumping channel portions and at least two stripper channel portions such that two fluid flow paths are formed between respective pump inlets and respective pump outlets.
3. A regenerative fluid pump as claimed in claim 1 or 2, comprising two pump inlets for allowing fluid into respective pumping channel portions of a radially outermost said concentric channel.
4. A regenerative fluid pump as claimed in claim 1, wherein one or more radially inner said concentric channels each comprise a single said pumping channel portion and a single said stripper channel portion.
5. A regenerative fluid pump as claimed in claim 4, wherein one of said single pumping channel portions comprises two inlets.

- 9 -

6. A stator for a regenerative fluid pump comprising a rotor having rotor blades, the stator comprising a plurality of concentric channels which comprise pumping channel portions along which said rotor blades move for compressing fluid between respective inlets and respective outlets of the pumping channel portions and stripper channel portions for allowing said rotor blades to pass from said outlets to said inlets of the pumping channel portions, wherein at least one of said concentric channels comprises at least two pumping channel portions and at least two stripper channel portions.
7. A regenerative fluid pump substantially as hereinbefore described with reference to Figures 1 and 2 of the accompanying drawings.
8. A stator for a regenerative fluid pump the stator being substantially as hereinbefore described with reference to Figures 1 and 2 of the accompanying drawings.